

Title (en)

Ceramic matrix composite rotor disk for a gas turbine engine and corresponding rotor module

Title (de)

Rotorscheibe aus keramischem Faserverbundwerkstoff für ein Gasturbinentriebwerk und zugehörige Rotorbaugruppe

Title (fr)

Disque de rotor en composite à matrice céramique pour moteur à turbine à gaz et ensemble de rotor associé

Publication

EP 2570601 B1 20180124 (EN)

Application

EP 12169218 A 20120524

Priority

US 201113116102 A 20110526

Abstract (en)

[origin: US2012297790A1] A CMC disk for a gas turbine engine includes a CMC hub defined about an axis and a multiple of CMC airfoils integrated with the CMC hub.

IPC 8 full level

F01D 5/28 (2006.01); **C04B 35/80** (2006.01); **F01D 5/06** (2006.01); **F01D 5/30** (2006.01); **F01D 5/34** (2006.01); **F01D 11/00** (2006.01)

CPC (source: EP US)

F01D 5/282 (2013.01 - EP US); **F01D 5/284** (2013.01 - EP US); **F01D 5/34** (2013.01 - EP US); **F01D 5/066** (2013.01 - EP US); **F01D 11/001** (2013.01 - EP US); **F05D 2300/6033** (2013.01 - EP US)

Citation (examination)

US 2005220621 A1 20051006 - HORNICK DAVID C [US], et al

Cited by

GB2534445A; GB2534445B; FR3094398A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 2012297790 A1 20121129; **US 9045990 B2 20150602**; EP 2570601 A2 20130320; EP 2570601 A3 20141126; EP 2570601 B1 20180124; JP 2012246925 A 20121213; JP 5546578 B2 20140709

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